

ABSTRACT

An elevator comprising car guide rails (15) disposed in the vertical direction of an elevator shaft on the same side of the car (8), an elevator car moving along the car guide rails, counterweight guide rails (16) placed in the elevator shaft, a counterweight (13) moving along the counterweight guide rails. In addition, the elevator comprises a number of diverting pulleys and a traction sheave driven by a drive motor and mounted in the upper part of the shaft for the transmission of hoisting power, which are disposed in the elevator shaft on the same side of the car, a drive motor (1) arranged to drive one of the diverting pulleys, and a rope system. The traction sheave (2, 9) and at least two diverting pulleys are mounted in the upper part of the elevator shaft. The elevator car (8) and the counterweight (13) are provided with at least one diverting pulley each. Both the car and the counterweight have a suspension ratio of 3:1 or greater.

Fig. 3